

**AMENDMENTS TO THE CLAIMS**

*Please amend the Claims as follows:*

**1. (Canceled).**

**2. (Canceled).**

**3. (Canceled).**

**4. (Canceled).**

**5. (Canceled).**

**6. (Canceled).**

**7. (Canceled).**

**8. (Canceled).**

**9. (Canceled).**

**10. (Previously Presented)** A method for capturing and recording task information obtained from a data-warehousing environment for analysis, archival, and mining comprising steps of:

- a. uniquely identifying each task within a run,
- b. selecting one or more of said uniquely identified tasks to monitor,
- c. capturing data-warehousing population activities dynamically by
  - i. obtaining operational metadata containing task information relevant to said selected task or tasks,
  - ii. calculating changes in operational metadata,
  - iii. storing results of said calculating step in a buffer, and moving selected buffer data to an archive, said archive used in data analysis and mining.

**11. (Currently Amended)** A method for capturing and recording task information, as per The method of claim 10, wherein said task is an extract, transform, load (ETL) task.

**12. (Currently Amended)** A method for capturing and recording task information, as per The method of claim 10, wherein said buffer is a staging table.

**13. (Currently Amended)** A method for capturing and recording task information, as per The method of claim 10, wherein either one of a system or a user performs said selecting step.

**14. (Currently Amended)** A method for capturing and recording task information, as per The method of claim 10, wherein said operational metadata and changes in operational metadata are obtained via a trigger mechanism.

**15. (Currently Amended)** A method for capturing and recording task information, as per The method of claim 14, wherein said trigger mechanism is attached to said operational metadata and to said buffer.

**16. (Currently Amended)** A method for capturing and recording task information, as per The method of claim 14, wherein said trigger mechanism attached to operational metadata is activated by either changes to said selected task in said operational metadata or by termination of said selected task.

**17. (Currently Amended)** A method for capturing and recording task information, as per The method of claim 15, whereupon termination of said selected task; said task status information is extracted from said operational metadata, if said selected task terminates with a failure or

warning status, then error messages associated with said selected task or tasks are also extracted from said operational metadata, and said extracted task information is transformed into a format necessary for storage in said buffer.

**18. (Canceled).**

**19. (Currently Amended)** ~~A method for capturing and recording task information, as per The method of claim 17,~~ wherein upon termination of said selected task:

- a. said trigger mechanism attached to said operational metadata is activated,
- b. said buffer is refreshed with changes in said operational metadata before said trigger mechanism was activated,
- c. said archive is emptied into a backup medium or media, and  
said buffer data relevant to said selected task is moved from said buffer to said archive.

**20. (Currently Amended)** ~~A method for capturing and recording task information, as per The method of claim 19,~~ wherein the granularity of data moved from said buffer to said archive is variable.

**21. (Currently Amended)** ~~A method for capturing and recording task information, as per The method of claim 19,~~ wherein refresh operations on said buffer occur in response to the activation of said trigger mechanisms attached to said operational metadata.

**22. (Currently Amended)** A ~~method for capturing and recording task information, as per~~The method of claim 19, wherein said archive is queried to report any of: completed tasks, pending tasks, duration of execution, error codes and message, scheduling problems, scheduling changes, and overdue task runs, and overdue task misses.

**23. (Currently Amended)** A ~~method for capturing and recording task information, as per~~The method of claim 18, wherein said backup step comprises: selecting archive data to backup, backing up said selected archive data, extracting said selected archive data from said archive, filtering said selected archive data from said archive, and moving to a table said filtered archive data.

**24. (Currently Amended)** A ~~method for capturing and recording task information, as per~~The method of claim 18, wherein said archive is backed up at configured intervals.

**25. (Currently Amended)** A ~~method for capturing and recording task information, as per~~The method of claim 19, wherein said buffer data to be backed up is associated with a current timestamp.

**26. (Currently Amended)** A ~~method for capturing and recording task information, as per~~The method of claim 25, wherein said current timestamp is utilized in backup restoration.

**27. (Currently Amended)** A ~~method for capturing and recording task information, as per~~The method of claim 23, wherein said tables indicate any of: tasks completed, task errors, task temporary statuses, and tasks scheduled.

**28. (Currently Amended)** A method for capturing and recording task information, as per The method of claim 27, wherein said tables are queried to generate reports comprising any of: sequence of tasks executed in a process, last task executed, task or tasks failed, duration of execution of tasks in a process, task or tasks retried, and statistics associated with a task run or runs, errors associated with failed tasks, tasks failing with a specified error, task run schedule, de-scheduled tasks, and tasks having a specified temporary status.

**29. (Canceled).**

**30. (Currently Amended)** An article of manufacture comprising a computer storage medium having computer readable program code embodied therein which implements a method for capturing and recording task information obtained from a data-warehousing environment for analysis, archival, and mining, the archiving of task information obtained from a data-warehousing environment said medium comprising modules computer readable program code to execute the steps of:

- a. uniquely identifying each task within a run,
- b. selecting one or more of said uniquely identified tasks to monitor;
- c. capturing data-warehousing population activities dynamically by
  - i. obtaining operational metadata containing task information relevant to said selected task or tasks,
  - ii. calculating obtaining changes in operational metadata from said data-warehousing environment,
  - iii. storing results of said calculated step in a buffer, and

i.iv. moving selected buffer data to an archive, said archive used in data analysis and mining

b. extracting task information from said operational metadata,

c. storing said extracted task information in a buffer,

d. refreshing said buffer with changes in said operational metadata, and moving task information from said buffer to an archive.

**31. (Currently Amended)** An The article of manufacture, as per of claim 30, wherein said task is an extract, transform, load (ETL) task.

**32. (Currently Amended)** An The article of manufacture, as per of claim 30, wherein said buffer is a staging table.

**33. (Currently Amended)** An The article of manufacture, as per of claim 30, wherein said medium further comprises computer readable program code obtaining changes in operational metadata via a trigger mechanism.

**34. (Currently Amended)** An The article of manufacture of claim 33, as per claim 31, wherein said ETL task information comprises any of: ETL task execution statuses, run identification numbers, definitions, control flows, and execution schedules trigger mechanism is attached to said operational metadata and to said buffer.

**35. (Currently Amended)** An The article of manufacture of claim 33, as per claim 31, wherein said medium further comprises computer readable program code querying said archive to report

any of: completed tasks, pending tasks, duration of execution, error codes and messages, scheduling problems, scheduling changes, overdue ETL task run schedules, and overdue ETL task misses said trigger mechanism attached to operational metadata is activated by either changes to said selected task in said operational metadata or by termination of said selected task.

**36. (Currently Amended)** An The article of manufacture, as per of claim 35, wherein said medium further comprises computer readable program code extracting and storing content of said archive into one or more tables whereupon termination of said selected task; said task status information is extracted from said operational metadata, if said selected task terminates with a failure or warning status, then error messages associated with said selected task or tasks are also extracted from said operational metadata, and said extracted task information is transformed into a format necessary for storage in said buffer.

**37. (Canceled).**

**38. (Canceled).**